



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
|-----------------|-------------|----------------------|---------------------|------------------|

10/693,850

10/23/2003

Steven M. Arnold

LEW 17,494-1

3672

26311 7590 11/30/2007
NASA GLENN RESEARCH CENTER
21000 BROOKPARK ROAD
OFFICE OF CHIEF COUNSEL; MAIL STOP 500-118
CLEVELAND, OH 44135

EXAMINER

RODRIGUEZ, WILLIAM H

ART UNIT

PAPER NUMBER

3746

MAIL DATE

DELIVERY MODE

11/30/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/693,850

Applicant(s)

ARNOLD ET AL.

Examiner

/William H. Rodriguez/

Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-17,29,31-74,90 and 93 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,5-17,29 and 31-33 is/are allowed.
- 6) ☒ Claim(s) 34-39,46 and 52-62 is/are rejected.
- 7) ☒ Claim(s) 40-45,47-51,63-74,90 and 93 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☒ Other: attachment A (5 pages).

DETAILED ACTION

This office action is in response to the amendment and remarks filed 10/16/2007. Since the examiner has applied new grounds of rejection, this office action is being made non-final to afford the applicant the opportunity to respond to the new grounds of rejection.

Response to Arguments

1. Applicant's arguments with respect to independent claims 34, 52, 74, 90 and 93 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 34, 52, 74, 90 and 93 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4. The term "*infinite or infinitely*" in claims 34, 52, 74, 90 and 93 is a relative term which renders the claim indefinite. The term "*infinite or infinitely*" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

*According to the Merriam Webster's Collegiate Dictionary, the definition of "infinite" is:

- 1: extending indefinitely
- 2: immeasurably or inconceivably great or extensive
- 3: subject to no limitation or external determination
- 4 a: extending beyond, lying beyond, or being greater than any preassigned finite value however large

The recitations "*a nozzle infinitely positionable between a first position and a second position; an infinite number of frustum-shaped conic subsections between an area of minimum cross section to an area of maximum cross section*" in claims 34, 52, 74, 90 and 93 is improper and indefinite because the number of nozzle positions between a minimum area nozzle (first position) and a maximum area nozzle (second position) are not immeasurable or subject to no limitation or extend beyond the greater maximum area. For these reasons, examiner request removing the words "infinite and infinitely" from the claims. Appropriate correction is required.

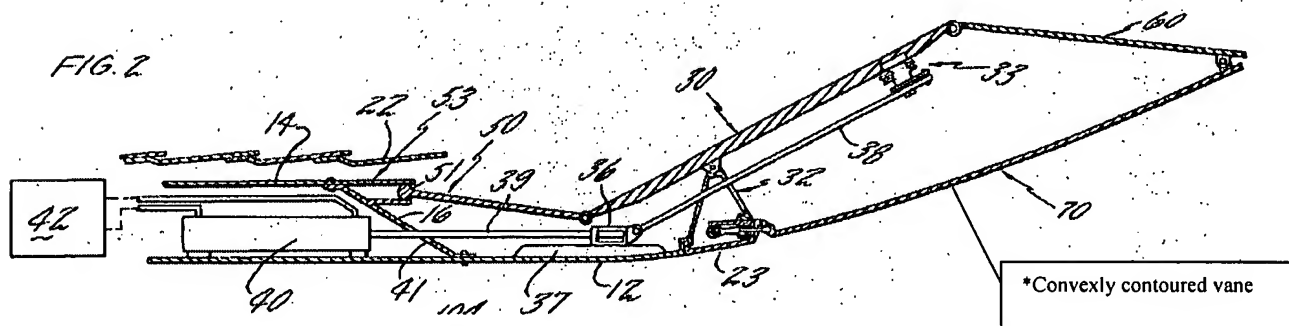
Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 34-39, 46, 52, 53 and 59-62 are rejected under 35 U.S.C. 102(b) as being anticipated by Harmon (US 3,767,120).



7. Harmon teaches (particularly figures 1, 2 and 6) a gas turbine engine comprising a nacelle, a core engine and a variable area exhaust nozzle, said nozzle comprising a plurality of convexly* contoured vanes 70 circumferentially and rotatably mounted to a concentric support 23, said plurality of vanes being positionable between a first position corresponding to a minimum area nozzle and a second position corresponding to a maximum area nozzle, an hydraulic actuator mechanism for opening and closing said vanes from said first position to said second position, and a seal (cl. 4 ll. 21) which engages an adjacent vane.

The plurality of positions are all the positions the plurality of vanes travel when said vanes move from the minimum area nozzle to the maximum area nozzle.

*According to the Merriam Webster's Collegiate Dictionary, the definition of "convex" is curved or round like the exterior of a sphere or circle.

*According to the Merriam Webster's Collegiate Dictionary, the definition of "contour" is an outline esp. of a curving or irregular figure.

Based on the above dictionary definitions, Harmon teaches that the plurality of vanes have a curved outline surface which satisfies the recitation "convexly contoured vane"

8. Claims 34-39, 46, 52, 53 and 59-62 are rejected under 35 U.S.C. 102(b) as being anticipated by Ryan (US 4,128,208).

9. Ryan teaches (particularly figures 1 and 2) a gas turbine engine comprising a nacelle, a core engine and a variable area exhaust nozzle, said nozzle comprising a plurality of convexly* contoured vanes 14 circumferentially and rotatably mounted to a concentric support, said plurality of vanes being positionable between a first position corresponding to a minimum area nozzle and a second position corresponding to a maximum area nozzle, an hydraulic actuator

mechanism for opening and closing said vanes from said first position to said second position, and a seal 17 which engages an adjacent vane.

The plurality of positions are all the positions the plurality of vanes travel when said vanes move from the minimum area nozzle to the maximum area nozzle.

*According to the Merriam Webster's Collegiate Dictionary, the definition of "convex" is curved or round like the exterior of a sphere or circle.

*According to the Merriam Webster's Collegiate Dictionary, the definition of "contour" is an outline esp. of a curving or irregular figure.

Based on the above dictionary definitions, Harmon teaches that the plurality of vanes have a curved outline surface which satisfies the recitation "convexly contoured vane"

Claim Rejections - 35 USC § 103

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 54-58 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ryan (US 4,128,208).

Ryan disclosed in detail above is silent about the seals being: a metal seal, a labyrinth seal, a brush seal, a hydrostatic seal, or an elastomeric seal. However, these types of seals are well known to one of ordinary skill in the art and commonly used in gas turbine engine exhaust nozzles that selecting a type of seal for Ryan engine exhaust nozzle would have been a simple design consideration/selection based on the technical requirements of the engine. Accordingly, it would have been prima facie obvious to one of ordinary skill in the art at the time the invention

was made to have selected any of those seals (metal, labyrinth, brush, hydrostatic, elastomeric) because such a selection would have been considered a mere design consideration which fails to patentably distinguish over Ryan.

Allowable Subject Matter

12. Claims 1, 5-17, 29 and 31-33 are allowed in view of applicant's amendments to the claims (see amendment filed on 10/16/2007).

13. Claims 74, 90 and 93 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

14. Claims 40-45, 47-51, 63-73 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Contact information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Rodríguez whose telephone number is 571-272-4831. The examiner can normally be reached on Monday-Friday 7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Devon Kramer can be reached on 571-272-7118. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:
10/693,850
Art Unit: 3746

Page 7

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William H. Rodríguez/
Primary Examiner
Art Unit 3746

Attachment A (5 pages)



Merriam- Webster's Collegiate® Dictionary

TENTH EDITION

Merriam-Webster, Incorporated
Springfield, Massachusetts, U.S.A.



A GENUINE MERRIAM-WEBSTER

The name *Webster* alone is no guarantee of excellence. It is used by a number of publishers and may serve mainly to mislead an unwary buyer.

Merriam-Webster™ is the name you should look for when you consider the purchase of dictionaries or other fine reference books. It carries the reputation of a company that has been publishing since 1831 and is your assurance of quality and authority.

Copyright © 1996 by Merriam-Webster, Incorporated

Philippines Copyright 1996 by Merriam-Webster, Incorporated

Library of Congress Cataloging in Publication Data
Main entry under title:

Merriam-Webster's collegiate dictionary. — 10th ed.

p. cm.

Includes index.

ISBN 0-87779-708-0 (unindexed : alk. paper). — ISBN 0-87779-709-9 (indexed : alk. paper). — ISBN 0-87779-710-2 (deluxe : alk. paper). — ISBN 0-87779-707-2 (laminated cover).

1. English language—Dictionaries. I. Merriam-Webster, Inc.

PE1628.M36 1996

423—dc20

95-36076

CIP

Th

Abbreviation

Merriam-Webster's Collegiate® Dictionary, Tenth Edition principal copyright 1993

COLLEGIATE is a registered trademark of Merriam-Webster, Incorporated

All rights reserved. No part of this book covered by the copyrights hereon may be reproduced or copied in any form or by any means—graphic, electronic, or mechanical, including photocopying, taping, or information storage and retrieval systems—without written permission of the publisher.

Made in the United States of America

16RMdN96

tal conclusion. **INFER** implies arriving at a conclusion by reasoning from evidence; if the evidence is slight, the term comes close to surmise (from that remark, I *inferred* that they knew each other). **DEDUCE** (from that remark, I *deduced* that they knew each other). **INFERENCE** often adds to **INFER** the special implication of drawing a particular inference from a generalization (denied we could deduce anything important from human mortality). **CONCLUDE** implies arriving at a necessary inference at the end of a chain of reasoning (concluded that the accused could be guilty). **JUDGE** stresses a weighing of the evidence on which a conclusion is based (judge people by their actions). **GATHER** suggests an intuitive forming of a conclusion from implications (gathered their desire to be alone without a word). **usage**. Sir Thomas More is the first writer known to have used both *infer* and *imply* in their approved senses (1528). He is also the first to have used *infer* in a sense close in meaning to *imply* (1533). Both of these uses of *infer* coexisted without comment until some time around the end of World War I. Since then, senses 3 and 4 of *infer* have been frequently condemned as an undesirable blurring of a useful distinction. The actual blurring has been done by the commentators. Sense 3 descended from More's use of 1533, does not occur with a personal subject. When objections arose, they were to a use with a personal subject (now sense 4). Since dictionaries did not recognize this use specifically, the objectors assumed that sense 3 was the one they found illogical, even though it had been in respectable use for four centuries. The actual usage condemned was a spoken one never used in logical discourse. At present, sense 4 is found in print chiefly in letters to the editor and other informal prose, not in serious intellectual writing. The controversy over sense 4 has apparently reduced the frequency of use of sense 3.

inference \in-fə-rən(t)s-, fərn(t)s- n (1594): 1: the act or process of inferring; as a: the act of passing from one proposition, statement, or judgment considered as true to another whose truth is believed to follow from that of the former b: the act of passing from statistical sample data to generalizations (as of the value of population parameters) usu. with calculated degrees of certainty 2: something that is inferred; esp.: a proposition arrived at by inference 3: the premises and conclusion of a process of inferring.

inferential \in-fə-rən(t)shəl adj [ML *inferentia*, fr. L *inferenti*, *inferens*, pp. of *inferre*] (1637): 1: relating to, involving, or resembling inference 2: deduced or deducible by inference

inferentiality \in-fə-rən(t)shə-lē adv (1691): by way of inference through inference

inferior \in-fə-rē-ər adj [ME, fr. L, compar. of *inferus* lower — more at UNDER] (15c): 1: situated lower down: LOWER 2 a: of low or lower degree or rank b: of poor quality: MEDIOCRE 3: of little or less importance, value, or merit (always felt ~ to his older brother) 4 a: situated below another and esp. another similar superior part of an upright body b: situated in a relatively low posterior or ventral position in a quadrupedal body c (1): situated below another plant part or organ (2): ABAXIAL 5: relating to or being a subscript — **inferior** n (15c): 1: *inferior* or *inferiority* \in-fə-rē-ər-ē, -ār- n — **inferiority** \in-fə-rē-ər-ē adv

inferior conjunction n (1833): a conjunction of an inferior planet with the sun in which the planet is aligned between the earth and the sun

inferiority complex n (1922): 1: an acute sense of personal inferiority often resulting either in timidity or through overcompensation in exaggerated aggressiveness 2: a collective sense of cultural, regional, or national inferiority

inferior planet n (1658): either of the planets Mercury and Venus whose orbits lie within that of the earth

infernal \in-fər-nəl adj [ME, fr. MF, fr. LL *infernalis*, fr. *infernus* hell, fr. L, lower, fr. *inferus*] (14c): 1: of or relating to a nether world of the dead 2 a: of or relating to hell b: HELLSH, DIABOLICAL 3: DAMNABLE (an ~ nuisance) — **infernal** n (17c): 1: a machine or apparatus maliciously designed to explode and destroy life or property; esp.: a concealed or disguised bomb

inferno \in-fə-rō n, pl -nos [It, hell, fr. LL *infernus*] (1834): a place or a state that resembles or suggests hell (the ~ of war); also: intense heat (the roaring ~ of the blast furnace)

infertile \in-fər-tīl adj [MF, fr. L *infertilis*, fr. L *in-* + *fertilis* fertile] (1597): not fertile or productive (~ eggs) (~ fields) — **infertility** \in-fər-tī-lē n

infest \in-fest v [F *infester*, fr. L *infestare*, fr. *infestus* hostile] (1602): 1: to spread or swarm in or over in a troublesome manner (a slum ~ed with crime) (shark-infested waters) 2: to live in or on as a parasite — **infestation** \in-fes-tā-shən n

infestant \in-fes-tənt n — **infestation** \in-fes-tā-shən n

infestive \in-fes-tīv adj

infidel \in-fī-dəl n, pl -dels [ME *infidels*, fr. MF, fr. LL *infidelis* unfaithful, fr. L, unfaithful, fr. *in-* + *fidelis* faithful — more at FIDELITY] (15c): 1: one who is not a Christian or who opposes Christianity 2: an unbeliever with respect to a particular religion b: one who acknowledges no religious belief 3: a disbeliever in something specifically or understood — **infidel** adj

infidelity \in-fī-dəl-ē n, pl -ties (15c): 1: lack of belief in a religion 2 a: unfaithfulness to a moral obligation b: DISLOYALTY c: marital unfaithfulness or an instance of it

infield \in-fīld n (1606): 1: a field near a farmhouse 2 a: the area of a baseball field enclosed by the three bases and home plate b: the defensive positions comprising first base, second base, shortstop, and third base; also: the players who play these positions 3: the area enclosed by a racetrack or running track

infielder \in-fīld-ər n (1867): a baseball player who plays in the infield

infield hit n (1912): a base hit on a ball that does not leave the infield

infield out n (1926): a ground ball on which the batter is put out by an infielder

inflight \in-fī-tīg n (1816): 1: fighting or boxing at close quarters 2: rough-and-tumble fighting 3: prolonged and often bitter discussion or rivalry among members of a group, or organization (bureaucratic ~) — **inflight** \in-fī-tīg v — **inflighter** \in-fī-tər n

infiltrate \in-fīl-trāt, -trāt v, -trāt n (1758): 1: to pass (as a liquid) to permeate something by penetrating its pores or interstices 2: to pass into or through (a substance), by filtering or

permeating 3: to pass (troops) singly or in small groups through gaps in the enemy line 4: to enter or become established in gradually or unobtrusively usu. for subversive purposes (the intelligence staff had been infiltrated by spies) ~ vi: to enter, permeate, or pass through substance or area by filtering or by insinuating gradually — **infiltration** \in-fīl-trā-shən n — **infiltrator** \in-fīl-trā-tər n, -trā-tiv, -trā-tōr adj — **infiltrator** \in-fīl-trā-tər, -trā-tōr n, -trā-tiv, -trā-tōr adj

infinite \in-fī-nīt adj [ME *infinitus*, fr. MF or L; MF, fr. L *infinitus*, fr. *in-* + *finitus* finite] (14c): 1: extending indefinitely — **infinitely** \in-fī-nīt-ē adj

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

infinite n (1535): something that is infinite (as in extent, duration, or number)

period of very rapid expansion of the big bang c: empty pretentiousness the volume of money and credit resulting in a continuing rise in the prices resulting in a continuing rise in the prices

inflation-ary \-shə-nēr-ē adj (1920): derivative of inflation

inflationary spiral n (1931): a continuing by the tendency of wage increases

inflation-ism \in-flā-shən-iz-m n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation

inflation \in-flā-shən n (1931): a doctrine of inflation